MW0113MAB
MW0113MB

# Microwave oven

## Owner's manual

imagine the possibilities

Thank you for purchasing this Samsung product.
Please register your product at

www.samsung.com/register

Planet First 100% Recycled Paper

This manual is made with 100% recycled paper.

SAMSUNG

ENGLISH

## CONTENTS


Using this instruction booklet....2
Safety information....2
Installing your microwave oven....9
How a microwave oven works....10
Checking parts....10
Warranty and service information....10
Setting up your microwave oven....11
Control panel....11
Setting the clock....12
Using the pause / cancel button....12
Using the +30 sec button....12
Using the sensor cook buttons....12
Sensor cooking guide....12
Using the instant cook buttons....13
Using the rice / pasta buttons....13
Using the meat buttons....15
Defrosting automatically....18
Reheating automatically....18
Auto reheat chart....18
Using the MAnual steam cooking guide....19
Setting cooking times & power levels....20
One-stage cooking....20
Multi-stage cooking....20
Demonstration mode....20
Using the more/less buttons....21
Switching the beeper on/off....21
Using the kitchen timer....21
Setting the child protection lock....21
Cooking utensils....22
Cooking techniques....23
Cooking guide....25
Auto defrosting guide....27
Recipes....28
Troubleshooting guide....30
Care and cleaning....31
Error message....31
Specifications....31


## USING THIS INSTRUCTION BOOKLET

You have just purchased a SAMSUNG microwave oven. Your Owner's Instructions contain much valuable information on cooking with your microwave oven:

- Safety precautions
- Suitable accessories and cookware
- Useful cooking tips

At the front of the booklet you will find illustrations of the oven, and more importantly the control panel, so that you can find the buttons more easily.

## SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it at a safe place near the appliance for your future reference.
- Use this appliance only for its intended purpose as described in this instruction manual. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your microwave oven may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.

## Important safety symbols and precautions.

The following symbols are used in the text of this Owner's Manual:

| | |
|---|---|
| WARNING | Hazards or unsafe practices that may result in **severe personal injury or death**. |
| CAUTION | Hazards or unsafe practices that may result in **minor personal injury or property damage**. |
| CAUTION | To reduce the risk of fire, explosion, electric shock, or personal injury when using your microwave oven, follow these basic safety precaution |

| | |
|---|---|
| | Do NOT attempt. |
| | Do NOT disassemble. |
| | Do NOT touch. |
| | Follow directions explicitly. |
| | Unplug the power plug from the wall socket. |
| | Make sure the machine is grounded to prevent electric shock. |
| | Call the service center for help. |
| | Note |
| | Important |

## WARNING Severe warning signs for installation

The installation of this appliance must be performed by a qualified microwave service technician trained by the manufacturer. Please see the section "Installing your Microwave Oven".

Plug the power cord into the proper wall socket or higher and use the socket for this appliance only. Plug the power plug into the wall socket firmly. In addition, do not use an extension cord.

- Failure to do so and sharing a wall socket with other appliances using a power strip or extending the power cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.

The installation of this appliance must be performed by a qualified technician or service company.

- Failing to do so may result in electric shock, fire, an explosion, problems with the product, or injury.

The microwave oven is intended to be used on the counter or counter top use only, the microwave oven shall not be placed in a cabinet.

---

Do not install this appliance near a heater, inflammable material.
Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
Do not install this appliance in a location where gas may leak.

- This may result in electric shock or fire.

The appliance is not intended for installing in road vehicles, caravans and similar vehicles etc.

---

This appliance must be properly grounded.
Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- This may result in electric shock, fire, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

## CAUTION Caution signs for installation

This appliance should be positioned in such a way that it is accessible to the power plug.

- Failure to do so may result in electric shock or fire due to electric leakage.

Install your appliance on a level and hard floor that can support its weight.

- Failure to do so may result in abnormal vibrations, noise, or problems with the product.

Install the appliance while maintaining the proper distance from the wall.

- Failure to do so may result in fire due to overheating.

The minimum height of free space necessary above the top surface of the oven.

## CAUTION Severe warning signs for electric

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failure to do so may result in electric shock or fire.

Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.

- If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.

- This may result in electric shock or fire.

Do not pull or excessively bend the power cord.
Do not twist or tie the power cord.
Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

Do not pull the power cord, when unplugging the power plug.

- Unplug the power plug by holding the plug.
- Failure to do so may result in electric shock or fire.

When the appliance or the cord is damaged, contact your nearest service centre.

## CAUTION Caution signs for electric

Unplug the power plug when the appliance is not being used for long periods of time or during a thunder/lightning storm.

- Failure to do so may result in electric shock or fire.

## WARNING Severe warning signs for using

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Take care that the door, or any of the other parts do not come into contact with the body while cooking or just after cooking.

- Failure to do so may result in burns.

ALWAYS use oven gloves when removing a dish from the oven to avoid unintentional burn.

Stand at arms length from the oven when opening the door.
**Reason :** The hot air or steam released may cause scalding.

Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container; To prevent this situation ALWAYS allow a standing time of at least 20 seconds after the oven has been switched off so that the temperature can equalize. Stir during heating, if necessary, and ALWAYS stir after heating. In the event of scalding, follow these FIRST AID instructions:

- Immerse the scalded area in cold water for at least 10 minutes.
- Cover with a clean, dry dressing.
- Do not apply any creams, oils or lotions.
- Contact a doctor

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Children should be supervised to ensure that they do not play with the appliance.

Eggs in their shell and whole hard-boiled eggs should not be heated in microwave ovens since they may explode even after microwave heating has ended.

**WARNING :** The contents of feeding bottles and baby food jars shall be stirred or shaken and the temperature checked before consumption, in order to avoid burns.

**WARNING :** Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.

Appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

**WARNING :** Accessible parts may become hot during use. To avoid burns young children should be kept away.

**WARNING :** Ensure that the appliance is switched off before replacing the lamp to avoid the possibility of electric shock.

Do not touch the power plug with wet hands.

- This may result in electric shock.

Do not turn the appliance off by unplugging the power plug while an operation is in progress.

- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.

Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- Failing to do so may result in electric shock, burns or injury.

Never use this appliance for purposes other than cooking.

- Failure to do so may result in fire.

Open sealed containers (baby bottles, milk bottles, etc.) and make a hole in food items such as shells or nuts (eggs, chestnuts, etc) with a knife, before cooking them.

- Failure to do so may result in burns or injury due to the item bursting.

Do not touch the inside of the appliance immediately after cooking, because the inside of the appliance is hot after being heated for a long time or heating a small amount of food.

- Failure to do so may result in burns.

Do not use aluminium foil, metal objects (such as containers, forks, etc.) or containers with golden or silver trims.

- This may result in sparks or fire.

Do not over-heat food.

- This may result in fire.

Do not heat food wrapped in paper such as magazines or newspaper.

- This may result in fire.

Do not use or place inflammable sprays or objects near the oven.

- This may result in fire or an explosion.

Do not open the door when the food in the cooking compartment is burning.

- If you open the door, an inflow of oxygen occurs and this may result in fire.

Do not insert fingers, foreign substances or metal objects such as pins or needles into the inlet, outlet and holes. If foreign substances are inserted into any of these holes, unplug the power plug from the wall socket and contact your product provider or nearest service centre.

- Failure to do so may result in electric shock or injury.

NEVER fill the container to the top and choose a container that is wider at the top than at the bottom to prevent the liquid from boiling over. Bottles with narrow necks may also explode if overheated.

NEVER heat a babys bottle with the teat on, as the bottle may explode if overheated.

DO NOT touch heating elements or interior oven walls until the oven be cooled down.

Do not immerse the power cable or plug in water and keep the power cable away from heated surfaces.

Do not operate this appliance if it has a damaged power cable or plug.

DO NOT operate the microwave oven when it is empty. The power will be cut off automatically for safety. You can operate normally after letting it stand for over 30 minutes. It is best to leave a glass of water inside the oven at all times. The water will absorb the microwaves energy if the oven accidently started.

**WARNING :** If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person.

**WARNING :** Liquids and other foods must not be heated in sealed containers since they are liable to explode.

If the appliance is flooded cut the power immediately and please contact your nearest service centre.

- Failure to do so may result in electric shock or fire.

If the appliance generates a strange noise, a burning smell or smoke, unplug the power plug immediately and contact your nearest service centre.

- Failure to do so may result in electric shock or fire.

Do not attempt to repair, disassemble, or modify the appliance yourself.

- Since a high voltage current enters the product chassis, it may result in electric shock or fire.
- You may be exposed to electromagnetic waves.
- When repairing the appliance is required, contact your nearest service centre.

**WARNING :** It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.

If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service centre.

- Failure to do so may result in electric shock or fire.

If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames;

## CAUTION Caution signs for using

Only use utensils that are suitable for use in microwave ovens; DO NOT use any metallic containers, Dinnerware with gold or silver trimmings, Skewers, forks, etc. Remove wire twist ties from paper or plastic bags.
**Reason :** Electric arcing or sparking may occur and may damage the oven.

When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition;

Small amounts of food require shorter cooking or heating time.
If normal times are allowed they may overheat and burn.

You may notice a Clicking sound during operation (especially when the oven is defrosting).
**Reason :** This sound is normal when the electrical power output is changing.

Young children should NEVER be allowed to use or play with the microwave oven. Nor should they be left unattended near the microwave oven when it is in use. Items of interest to children should not be stored or hidden just above the oven.

Children should be supervised to ensure that they do not play with the appliance.

Take care as beverages or food may be very hot after heating.

- Especially when feeding a child, check that it has cooled sufficiently.

Take care when heating liquids such as water or other beverages.

- Make sure to stir during or after cooking.
- Avoid using a slippery container with a narrow neck.
- Remove the container at least 30 seconds after heating.
- Failing to do so may result in an abrupt overflow of the contents and cause burns.

Do not hold food or any part there of during or immediately after cooking.

- Use cooking gloves because it may be very hot and you could burn yourself.
- If you pull the ceramic dish or well-being multi-purpose pan forwards, food may spill and this may result in burns.

When the surface is cracked, turn the power switch of the appliance off.

- Failure to do so may result in electric shock.

Do not scratch the glass of the oven door with a sharp object.

- This may result in the glass being damaged or broken.

Do not stand on top of the appliance or place objects (such as laundry, oven cover, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.

- Items, such as a cloth, may be caught in the door.
- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.

- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not apply excessive pressure or impact to the door or to the inside of the appliance.

- This may result in deformation to the product or injury due to electric wave leakage.
- Hanging onto the door may result in the product falling and causing injury.
- If the door is damaged, do not use the appliance and contact your nearest service centre.

Do not place the appliance over a fragile object such as a sink or glass object.

- This may result in damage to the sink or glass object.

Use the appliance only after closing the door.

- If you use the appliance when it is contaminated by foreign substances such as food waste, it may result in problems with the appliance.

Take care when removing the wrapping from food that has just been taken out of the appliance.

- If the food is hot, hot steam may be emitted abruptly when removing the wrapping and you may burn yourself.

Do not unplug the appliance by pulling at the power cord, always grip plug firmly and pull straight out from the outlet.

- Damage to the cord may cause short-circuit, fire and/or electric shock.

Do not put your face or body close to the appliance while cooking or when opening the door just after cooking.

- Take care that children do not come close to the appliance.
- Failure to do so may result in burns from the heat.

Do not place food or heavy objects over the door when opening the door.

- The food or object may fall and this may result in burns or injury.

Do not abruptly cool the door, the inside of the appliance, or the dish by pouring water over it during or just after cooking.

- This may result in damage to the appliance. The steam or water spray may result in burns or injury.

Appliances are not intended to be operated by means of an external timer or separate remote-control system.

## WARNING Severe warning signs for cleaning

Do not clean the appliance by spraying water directly onto it.
Do not use benzene, thinner or alcohol to clean the appliance.

- This may result in discoloration, deformation, damage, electric shock or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket and remove food waste from the door and cooking compartment.

- Failure to do so may result in electric shock or fire.

Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.

Do not use your microwave oven to dry papers or clothes.

For your safety, do not use high-pressure water cleaners or steam jet cleaners.

During cleaning conditions the surfaces may get hotter than usual and children should be kept away. (cleaning model only)

Excess spillage must be removed before cleaning and shall specify which utensils can be left in the oven during cleaning. (cleaning model only)

## CAUTION Caution signs for cleaning

The oven should be cleaned regularly and any food deposits removed.

Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

Take care not to hurt yourself when cleaning the appliance (external/internal).

- You may hurt yourself on the sharp edges of the appliance.

Do not clean the appliance with a steam cleaner.

- This may result in corrosion.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

Failure to observe the following safety precautions may result in harmful exposure to microwave energy.

**(a)** Under no circumstances should any attempt be made to operate the oven with the door open or to tamper with the safety interlocks (door latches) or to insert anything into the safety interlock holes.

**(b)** Do not place any object between the oven door and front face or allow food or cleaner residues to accumulate on sealing surfaces. Ensure that the door and door sealing surfaces are kept clean by wiping after use first with a damp cloth and then with a soft dry cloth.

**(c)** Do not operate the oven if it is damaged until it has been repaired by a qualified microwave service technician trained by the manufacturer. It is particularly important that the oven door closes properly and that there is no damage to the:
**(1)** Door (bent)
**(2)** Door hinges (broken or loose)
**(3)** door seals and sealing surfaces

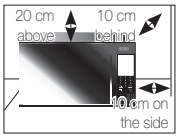
**(d)** The oven should not be adjusted or repaired by anyone other than a properly qualified microwave service technician trained by the manufacturer.

This product is a Group 2 Class B ISM equipment. The definition of group 2 which contains all ISM equipment in which radio-frequency energy is intentionally generated and/or used in the form of electromagnetic radiation for the treatment of material, and EDM and arc welding equipment.
For Class B equipment is equipment suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

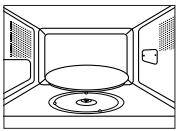
## INSTALLING YOUR MICROWAVE OVEN

Place the oven on a flat level surface 85 cm above the floor. The surface should be strong enough to safety bear the weight of the oven.

**1.** When you install your oven, make sure there is adequate ventilation for your oven by leaving at least 10 cm (4 inches) of space behind and, on the sides of the oven and 20 cm (8 inches) of space above.




**2.** Remove all packing materials inside the oven.
Install the roller ring and turntable.
Check that the turntable rotates freely.



**3.** This microwave oven has to be positioned so that plug is accessible.

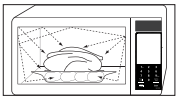
If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
For your personal safety, plug the cable into a 3-pin, 240 Volt, 50 Hz, AC earthed socket. If the power cable of this appliance is damaged, it must be replaced by a special cable.

Do not install the microwave oven in hot or damp surroundings like next to a traditional oven or radiator. The power supply specifications of the oven must be respected and any extension cable used must be of the same standard as the power cable supplied with the oven.
Wipe the interior and the door seal with a damp cloth before using your microwave oven for the first time.

## HOW A MICROWAVE OVEN WORKS

### Cooking principle

1. The microwaves generated by the magnetron are distributed uniformly as the food rotates on the turntable. The food is thus cooked evenly.
2. The microwaves are absorbed by the food up to a depth of about 1 inch (2.5 cm). Cooking then continues as the heat is dissipated within the food.
3. Cooking times vary according to the container used and the properties of the food.
   - Quantity and density
   - Water content
   - Initial temperature (refrigerated or not)



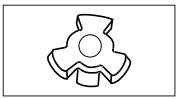
As the centre of the food is cooked by heat dissipation, cooking continues even when you have taken the food out of the oven. Standing times specified in recipes and in this booklet must therefore be respected to ensure:

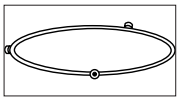
- Quantity and density
- Water content
- Initial temperature (refrigerated or not)

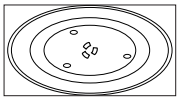
## CHECKING PARTS

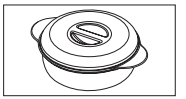
Unpack your microwave oven and check to make sure that you have all the parts shown here. If any part is missing or broken, call your dealer.

Microwave oven


Microwave oven


Roller guide ring


Turntable


Power steam cooker

## WARRANTY AND SERVICE INFORMATION

When contacting Samsung, please provide the specific model and serial number information which is usually located on the back or bottom of the product. Please record these numbers below, along with the other requested information. Keep this information in a safe place as a permnent record of your purchase to aid in identification in case of theft or loss, and a copy of your sales receipt as a proof of purchase if waranty service is needed.

MODEL NUMBER _____

SERIAL NUMBER _____

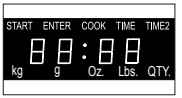
DATE PURCHASED _____

PURCHASED FROM _____

Warranty service can only be performed by a Samsung Authorized Service Center. If you should require warranty service, provide the above information with a copy of your sales receipt to the Samsung Authorized Service Center.

## SETTING UP YOUR MICROWAVE OVEN

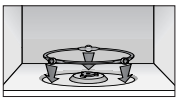
**1.** Place the oven on a flat, sturdy surface and plug the cord into a grounded outlet. once plugged in, the display on your oven will show:
Make sure there is adequate ventilation for your oven by leaving at least four inches of space behind, above, and to the side of the oven.



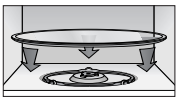

**2.** Open the oven door by pulling on the handle.

**3.** Wipe the inside of the oven with a damp cloth.

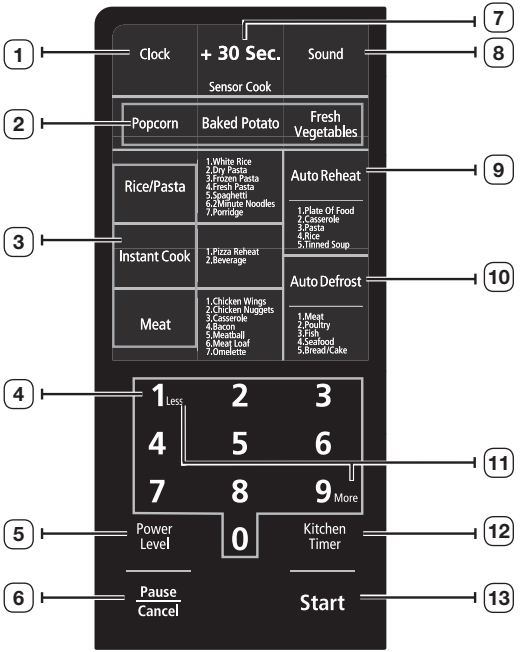
**4.** Place the pre-assembled ring in the indentation in the center of the oven.



**6.** Place the glass tray on top of the ring so that the three glass tabs in the center of the tray fit securely into the tabs on the floor of the oven. )



## CONTROL PANEL




**1.** Clock
**2.** Sensor Cook Buttons
**3.** Auto Cook Menus
**4.** Number Button
**5.** Power Level Button
**6.** Pause/Cancel Button
**7.** +30 Sec Button
**8.** Sound Button
**9.** Auto Reheat Button
**10.** Auto Defrost Button
**11.** More/Less
**12.** Kitchen Timer Button
**13.** Start Button

ENGLISH

## SETTING THE CLOCK

When power is supplied, “12:00” is automatically displayed on the display. Please set the current time.

1. Press the **Clock** button.
3. Use the number buttons to enter the current time. You must press at least three numbers to set the clock. If the current time is 5:00 enter, 5, 0, 0.
3. When 5 seconds has elapsed, “ENTER” indicator flash and “Cloc” will be displayed.
4. Press **Clock** again. A colon will blink, indicating that the time is set.

If there is a power interruption, you will need to reset the clock. You can check the current time while cooking is in progress by pressing the **Clock** button.

## USING THE PAUSE / CANCEL BUTTON

The **Pause/Cancel** button allows you to clear instructions you have entered. It also allows you to pause the oven’s cooking cycle, so that you can check the food.

- To pause the oven during cooking: press **Pause/Cancel** once. To restart, press **Start**.
- To stop cooking, erase instructions, and return the oven display to the time of day: press **Pause/Cancel** twice.
- To correct a mistake you have just entered: press **Pause/Cancel** once, then re-enter the instructions.

## USING THE +30 SEC BUTTON

This button offers a convenient way to heat food in 30 seconds increments at the High power level.

1. Press the **+30 Sec** button once for each 30 seconds to be added.

Add minutes to a program in progress by pressing the **+30 Sec** button for each minute you want to add.

2. Press the **Start** button.

## USING THE SENSOR COOK BUTTONS

By actually sensing the steam that escapes as food heat, this feature automatically adjusts the oven’s heating time for various types and amounts of precooked food. All food should be precooked and at refrigerator temperature.

1. Press the **Sensor Cook** button corresponding to the food you are cooking.
2. Press the **Start** button (**Popcorn**, for example). The display shows “ ” and your microwave oven will begin cooking.
   When cooking popcorn, wait at least five minutes between each bag to avoid overheating the glass tray. If you want to check the current time while cooking is in progress, press the **Clock** button.

## SENSOR COOKING GUIDE

Follow the instructions below when sensor cooking different types of food.

| Food | Amount | Procedure |
|---|---|---|
| Popcorn | 85 g-100 g 1 package | Use only one microwave-only bag of popcorn at a time. Use caution when removing and opening hot bag from oven. Let oven cool for at least 5 min. before using again. |
| Baked potatoes | 1 to 6 ea. | Prick each potato several times with fork. Place on turntable in spoke-like fashion. Let stand 3-5 min.. Let oven cool for at least 5 min. before using again. |
| Fresh vegetables | 1 to 4 cups | Place fresh vegetables in microwave-safe dish and add 2 tbsp of water. Cover with microwave safe plastic wrap or lid. (Using the glass cover gives the best results.) If using plastic wrap be sure to leave a small opening near the edge of dish for ventilation. Remove vegetable from oven let sit covered for 2 min., stir or serve. Let oven cool for at least 5 min. before using again. |

## USING THE INSTANT COOK BUTTONS

1. Press the **Instant Cook** button corresponding to the food you are cooking (**Beverage**, for example). The display shows the first serving size. (“ENTER” and “QTY.” will flash):
2. Press the button repeatedly to select the serving size you want. The display will cycle through all available serving sizes.
3. Press the **Start** button to begin cooking.

When the cooking time is over, the oven will beep. The oven will then beep every minute.

| Code | Item | Weight | Remarks |
|---|---|---|---|
| A-1 | Pizza reheat | 1 slice<br>2 slices<br>3 slices<br>4 slices | Put the pizza on a microwave-safe plate with wide end of slice towards the outside edge of the plate.<br>Do not let slices overlap. Do not cover.<br>Before serving, let stand 1-2 min.. |
| A-2 | Beverage | ½ cup<br>1 cup<br>2 cups | Use measuring cup or mug ; do not cover.<br>Place the beverage in the oven.<br>After heating, stir well. |

## USING THE RICE / PASTA BUTTONS

1. Press the **Rice/Pasta** button corresponding to the food you are cooking. The display shows “A-1” (item code).

Press the **Rice/Pasta** button repeatedly to select the item you want. (Refer to the **Rice/Pasta Chart** below)

2. Press the **Number 1** or **2**, **3** button to select the serving size you want. (Refer to the **Rice/Pasta Chart** below for the serving)
3. Press **Start** button to begin cooking.

## Rice / Pasta Chart

<table>
<tr><th>Code</th><th>Item</th><th>Weight</th><th>Initial temperature</th><th>Remarks</th></tr>
<tr><td>A-1</td><td>White rice</td><td>1-2 serves</td><td>Rice: Room<br>Water: Room</td><td>Wash rice with cold water until water runs clear. Place the rice and water in a microwave-safe rice cooker or round glass Pyrex dish with a lid and after cooking allow rice to stand without removing lid. Stand rice for 3-5 min. and stir to separate grains.<br><table><tr><td></td><td>1 Serv.</td><td>2 Serv.</td></tr><tr><td>Rice</td><td>100 g</td><td>200 g</td></tr><tr><td>Water</td><td>250 ml</td><td>375 ml</td></tr></table></td></tr>
<tr><td>A-2</td><td>Dry pasta</td><td>1-2 serves</td><td>Water: 60 °C tap water</td><td>Place dry pasta into microwave-safe rice coo-ker or bowl or round Glass Pyrex dish breaking if necessary to fit - without lids on and cook uncovered. After cooking put on lid, allow standing time of 2-5 min.. Stir and serve.<br><table><tr><td></td><td>1 Serv.</td><td>2 Serv.</td></tr><tr><td>Pasta</td><td>100 g</td><td>200 g</td></tr><tr><td>Water</td><td>3 cups</td><td>5 cups</td></tr></table></td></tr>
<tr><td>A-3</td><td>Frozen pasta</td><td>1-2 serves</td><td>Water: 60 °C tap water</td><td>Place frozen pasta into microwave-safe rice cooker or bowl or round Glass Pyrex dish without lids on and cook uncovered.<br>After cooking put on lid, allow standing time of 2-5 min.. Stir and serve.<br><table><tr><td></td><td>1 Serv.</td><td>2 Serv.</td></tr><tr><td>Pasta</td><td>125 g</td><td>250 g</td></tr><tr><td>Water</td><td>3 cups</td><td>5 cups</td></tr></table></td></tr>
<tr><td>A-4</td><td>Fresh pasta</td><td>1-2 serves</td><td>Water: 60 °C tap water</td><td>Place fresh pasta into microwave-safe rice cooker or bowl or round Glass Pyrex dish without lids on and cook uncovered.<br>After cooking put on lid, allow standing time of 2-5 min.. Stir and serve.<br><table><tr><td></td><td>1 Serv.</td><td>2 Serv.</td></tr><tr><td>Pasta</td><td>125 g</td><td>250 g</td></tr><tr><td>Water</td><td>3 cups</td><td>5 cups</td></tr></table></td></tr>
<tr><td>A-5</td><td>Spaghetti</td><td>1-2 serves</td><td>Water: 60 °C tap water</td><td>Place dry spaghetti into microwave-safe rice cooker or bowl or round Glass Pyrex dish breaking if necessary to fit - without lids on and cook uncovered. After cooking put on lid, allow standing time of 2-5 min.. Stir and serve.<br><table><tr><td></td><td>1 Serv.</td><td>2 Serv.</td></tr><tr><td>Spaghetti</td><td>100 g</td><td>200 g</td></tr><tr><td>Water</td><td>3 cups</td><td>5 cups</td></tr></table></td></tr>
<tr><td>A-6</td><td>2 Minute noodles</td><td>1-3 serves</td><td>Water: Boiling water</td><td>Break noodle cake and place into a microwave-safe large bowl. Pour boiling water over noodles and cook uncovered. After oven beeps at half cooking time, stir well and press start to continue. After cooking and then standing time of 2 min.. Stir and serve.<br><table><tr><td></td><td>1 Serv.</td><td>2 Serv.</td><td>3 Serv.</td></tr><tr><td>Noodle</td><td>1 packet</td><td>2 packets</td><td>3 packets</td></tr><tr><td>Water</td><td>500 ml</td><td>1000 ml</td><td>1500 ml</td></tr></table></td></tr>
</table>

| Code | Item | Weight | Initial temperature | Remarks |
|---|---|---|---|---|
| A-7 | Porridge | 1-2 serves | Porridge oats: Room<br>Water & Milk: Cold | Place dry porridge oats and water or milk in a microwave safe bowl and cook uncovered. After oven beeps, stir the oats well and press start to continue. After cooking, stir well and top with brown sugar or honey. |

| | 1 Serv. | 2 Serv. |
|---|---|---|
| Oats | 35 g | 70 g |
| Water & Milk | 150 ml | 300 ml |

## USING THE MEAT BUTTONS

1. Press the **Meat** button corresponding to the food you are cooking. The display shows “A-1” (item code).

Press the **Meat** button repeatedly to select the item you want. (Refer to the **Meat Chart** below)

2. Press the **Number 1** or **2**, **3** button to select the serving size you want. (Refer to the **Meat Chart** below for the serving)
3. Press **Start** button to begin cooking.

Meat Chart

| Code | Item | Weight | Initial temperature | Remarks |
|---|---|---|---|---|
| A-1 | Chicken wings | 4-5 pcs<br>8-10 pcs | Refrigerated | Place wings around plate, spoke-fashion. Cover with wax paper. |
| A-2 | Chicken nuggets | 4 pcs<br>8 pcs | Refrigerated | Put a paper on top of plate and arrange nuggets in spoke fashion on paper towel. Do not cover. Let stand 1 min.. |
| A-3 | Casserole | 1 dish | Refrigerated | Ingredients for casserole.<br>2 medium carrots (85 g to 110 g Before peeling), 2 medium onions (110 g to 140 g. Before peeling), 2 medium potatoes (165 g to 195 g before peeling), 450 ground chuck beef, ½ teaspoon salt, ¼ cup water, ⅛ teaspoon pepper.<br>Peel and slice vegetables into ⅛ inch thick slices, Form beef into 12 small, flat pattie using the 2-inch Reynolds Brass Ring. Flatten patties. In 2-quart casserole, layer half of beef patties, half of carrots, half of onions, and half of potatoes. Sprinkle with salt and pepper. Repeat layers, making sure that top layer of beef patties is completely covered with vegetables. Add water. Press layer down into casserole. Cover. After cooking stand casserole for 5 min.. Serve. |

| Code | Item | Weight | Initial temperature | Remarks |
|---|---|---|---|---|
| A-4 | Bacon | 100-125 g<br>200-225 g<br>300-325 g | Refrigerated | Select fresh bacon rashers from your butcher, deli or supermarket. Place on the absorbent paper towel on microwave-safe plate or Pyrex dish and cover with another piece of paper towel and cook. Serve. |
| A-5 | Meatball | 1 dish | Refrigerated | Ingredients for meat balls.<br>450 g ground beef, ¼ cup chopped onion, 1 egg beaten, 1 teaspoon salt, ¼ teaspoon pepper and 2 tablespoons water.<br>Combine all ingredients and mix well. Shape into 20 x (25 mm) meat balls. Place meat balls in utensil. Cover with microwave cling wrap turning back one corner of the wrap by about 50 mm to vent. Cook. After cooking, stand meat balls for 5 min.. Serve. |

| Code | Item | Weight | Initial temperature | Remarks |
|---|---|---|---|---|
| A-6 | Meat loaf | 1 dish | Refrigerated | Ingredients for meat loaf.<br>675 g ground chuck beef, ½ cup fine dry bread crumbles, ¼ cup chopped onion, ½ cup chopped green pepper, 1 cup milk, 1 egg, 2 tablespoons ketchup, ¼ teaspoon pepper, ¼ teaspoon salt.<br>Combine all ingredients: mix well. Pack meat mixture firmly in loaf dish: smooth out top. Cover with plastic wrap, turning back one corner about 2 inches to vent. Place in oven parallel to front of oven. After cooking stand casserole for 5 min.. Serve. |
| A-7 | Omelette | 1 dish | Refrigerated | Ingredients for omelette.<br>3 med. sized eggs, 1 tomato, 30 g chopped ham, 2 tablespoons milk, herbs & Spices.<br>Beat eggs, add ham, 2 tablespoons milk, herbs and spices. Cut tomato in cubes add to mix plus 50 g grated cheese. After oven beeps, stir well and press start to continue. After cooking stand for 2 min.. Serve. |

## DEFROSTING AUTOMATICALLY

To thaw frozen food, set the weight of the food and the microwave automatically sets the defrosting time, power level and standing time.

1. Press the **Auto Defrost** button. The display shows “1”. (“ENTER” and “kg” will flash).
2. To set the type of your food, press the **Auto Defrost** button repeatedly. You can also use the number buttons to enter the weight of the food directly.

It is possible to set up to a maximum of 2 kg (except to bread).

3. Press the **Start** button. The display will show cooking time during defrosting, the oven will beep to let you know to turn the food over.
4. Open the oven door, and turn the food over.
5. Press the **Start** button to resume defrosting.

**See page 27 for the Auto Defrosting Guide.**

## REHEATING AUTOMATICALLY

To reheat food, select the type of dish and the number of servings you want to reheat, and the microwave automatically sets the reheating time.

1. Press the **Auto Reheat** button repeatedly to select the type of dish you wish to reheat. The initial serving size for each dish is one serving.

You can select up to four cups for casseroles and pasta, Rice tinned reheat. Only one serving is available for a plate of food.
The display shows the dish and quantity you have chosen.

2. Use the number buttons to increase the serving size. **For example, for three servings, press the 3 button (Refer to the Auto Reheat Chart below for the servings).** The display shows the number of servings you have selected:
3. Press the **Start** button. The display will show Cooking Time.

## AUTO REHEAT CHART

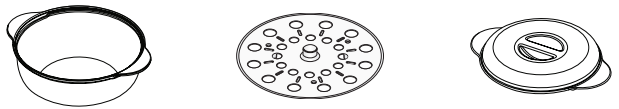
| Item | Code | Weight | Remarks |
|---|---|---|---|
| Plate of food | rH-1 | 1 serving | Use only pre-cooked, refrigerated foods.<br>Cover plate with vented plastic wrap or wax paper.<br>Contents<br>- 85-110 g meat, poultry or fish (up to 170 g with bone)<br>- ½ cup starch (potatoes, pasta, rice, etc.)<br>- ½ cup vegetables (about 85-110 g) |
| Casserole | rH-2 | *1-4 Cups | Use only refrigerated foods.<br>Cover with lid or vented plastic wrap.<br>Stir foods well before serving. |
| Pasta | rH-3 | | |
| Rice | rH-4 | | |
| Tinned soup | rH-5 | | |

* 1 cup = 1 serving

## USING THE MANUAL STEAM COOKING GUIDE

The Power Steamer is based on the principle of steam cooking, and is designed for fast, healthy cooking in your Samsung Microwave oven. This accessory is ideal for cooking rice, pasta, vegetables, etc. in record time, while preserving their nutritional values.

**Components of Steam Cooker**



Bowl Insert tray Lid

**Handling of Steam Cooker**

(Bowl + lid) (Bowl with + Basket + lid)

**CONDITIONS of USE:**

- Do not use:
  - to cook foods with a high sugar or fat content,
  - with the grill or rotating heat function or on a hob.
- Wash all parts well in soapy water before first use.
- To find out cooking times, please refer to the instructions in the table on next page.

**MAINTENANCE:**

- Your steamer can be washed in a dishwasher.
- When washing by hand, use hot water and washing-up liquid. Do not use abrasive pads.
- Some foods (such as tomato) may discolour the plastic. This is normal and not a manufacturing fault.

### Manual Steam Cook Chart

| Food | Portion | Power | Time (min.) | Standing Time (min.) | Handling |
|---|---|---|---|---|---|
| Artichokes | 300 g (1-2pcs) | High(0) | 5-6 | 1-2 | Bowl + lid |
| **Instructions** | | | | | |
| Rinse and clean artichokes. Put into bowl. Add one tablespoon lemon juice. Cover with lid. | | | | | |
| Fresh Vegetables | 300 g | High(0) | 4-5 | 1-2 | Bowl with basket + lid |
| **Instructions** | | | | | |
| Weigh the vegetables (e.g. broccoli florets, cauliflower florets, carrots, pepper) after washing, cleaning and cutting into similar size. Put basket into bowl. Distribute vegetables in basket. Add 2 tablespoons water. Cover with lid. | | | | | |
| Frozen Vegetables | 300 g | Medium -High(7) | 7-9 | 2-3 | Bowl with basket + lid |
| **Instructions** | | | | | |
| Put the frozen vegetables into the basket in bowl. Add 1 tablespoon water. Cover wit lid. Stir well after cooking and standing. | | | | | |
| Fresh Fish fillets | 300 g | 1. stage: High(0)<br>2. stage: Medium (5) | 1-2<br>5-6 | 1-2 | Bowl with basket + lid |
| **Instructions** | | | | | |
| Rinse and prepare fish fillets, such as Pollack, rose fish or salmon. Sprinkle with lemon juice. Put basket into bowl. Add fillets side by side. Add 100 ml cold water. Cover with lid. | | | | | |
| Chicken Breast | 300 g | 1.stage: High(0)<br>2. stage: Medium -High(7) | 1-2<br>7-8 | 1-2 | Bowl with basket + lid |
| **Instructions** | | | | | |
| Rinse and chicken breasts. Cut surface 2-3 times with a knife. Put basket into bowl. Add chicken breasts side by side. Add 100ml cold water. Cover with lid. | | | | | |
| Jacket Potatoes | 500 g | High(0) | 6-8 | 2-3 | Bowl + lid |
| **Instructions** | | | | | |
| Weigh and rinse the potatoes and put them into bowl. Add 3 tablespoons water. Cover with lid. | | | | | |
| Stew (chilled) | 400 g | Medium -High(7) | 5-6 | 1-2 | Bowl + lid |
| **Instructions** | | | | | |
| Put stew into the bowl. Cover with lid. Stir well before standing. | | | | | |
| Fruit Compote | 250 g | High(0) | 3-4 | 2-3 | Bowl + lid |
| **Instructions** | | | | | |
| Weigh the fresh fruits (e.g. apples, pears, plums, apricots, mangoes or pineapple) after peeling, washing and cutting into similar sizes or cubes. Put into bowl. Add 1-2 tablespoons water and 1-2 tbsp. sugar. Cover with lid. | | | | | |

**PRECAUTIONS:**

- Take special care when opening the lid of your steamer, because the steam escaping may be very hot.
- Use oven gloves when handling after cooking.

## SETTING COOKING TIMES & POWER LEVELS

Your microwave allows you to set up to two different stages of cooking, each with its own time length and power level. The **Power Level** button lets you control the heating intensity from Warm (1) to High (0).

## ONE-STAGE COOKING

For simple one-stage cooking, you only need to set a cooking time. The power level is automatically set to High. If you want to set the power to any other level, you must set it using the **Power Level** button.

1. Use the number buttons to set a cooking time. You can set a time from one second to 99 minutes, 99 seconds. To set a time over one minute, enter the seconds too. **For example, to set 20 minutes, enter 2, 0, 0, 0.**
2. If you want to set the power level to something other than High, press the **Power Level** button, then use the number buttons to enter a power level.

Power Levels

| | | | |
|---|---|---|---|
| 1 = PL:10 | (Warm) | 6 = PL:60 | (Simmer) |
| 2 = PL:20 | (Low) | 7 = PL:70 | (Medium high) |
| 3 = PL:30 | (Defrost) | 8 = PL:80 | (Reheat) |
| 4 = PL:40 | (Medium low) | 9 = PL:90 | (Sauté) |
| 5 = PL:50 | (Medium) | 0 = PL:Hi | (High) |

3. Press the **Start** button to begin cooking. If you want to change the power level, press **Pause/Cancel** before you press **Start**, and re-enter all of the instructions.

Some recipes require different stages of cooking at different temperatures. You can set multiple stages of cooking with your microwave.

## MULTI-STAGE COOKING

1. Follow steps 1 and 2 in the "One-Stage Cooking" section on the previous page.

When entering more than one cooking stage, the **Power Level** button must be pressed before the second cooking stage can be entered. To set the power level at High for a stage of cooking, press the **Power Level** button twice.

2. Use the number buttons to set a second cooking time.
3. Press the **Power Level** button, then use the number buttons to set the power level of the second stage of cooking.
4. Press **Start** to begin cooking.

You can check the Power Level while cooking is in progress by pressing the **Power Level** button.

## DEMONSTRATION MODE

You can use the Demonstration Mode to see how your microwave oven operates without the oven heating.

1. Hold the **0** button and then press the **1** button.
   To turn demo mode off, repeat step 1 above.

## USING THE MORE/LESS BUTTONS

The **More/Less** buttons allow you to adjust pre-set cooking times. They only work in the **Rice/Pasta, Meat, Instant Cook, Auto Reheat, Pizza Reheat, Beverage or Time Cook, Kitchen Time modes**.
Use the **More/Less** button only after you have already begun cooking with one of these procedures.
The **More/Less** feature cannot be used with the **Sensor Cook** button.
The **More/Less** key cannot be used with the **Auto defrost** key.

1. To ADD more time to an automatic cooking procedure: Press the **More** (9) button.
2. To REDUCE the time of an automatic cooking procedure: Press the **Less** (1) button.

If you wish to increase/decrease in **Time Cook, Kitchen Time** mode by 10 sec, press the **More (9)** or **Less (1)** button.

## SWITCHING THE BEEPER ON/OFF

You can switch the beeper off whenever you want.

1. Press the **Sound** button. The display shows “ON”. (“START” will flash)
2. Press the **Sound** button to turn the volume off. The display shows: “OFF”. (“START” will flash)
3. Press **Start**. The display returns to the time of day.

## USING THE KITCHEN TIMER

1. Press the **Kitchen Timer** button.
2. Use the **Number** buttons to set the length of time you want the timer to run.
3. Press **Start** to begin Kitchen Timer.
4. The display counts down and beeps when the time has elapsed.

The microwave does not turn on when the Kitchen timer is used.

## SETTING THE CHILD PROTECTION LOCK

You can lock your microwave oven so it can’t be used by unsupervised children.

1. Hold the “**0**” button and then press the “**2**” button. The display shows “Loc”.

At this point, the microwave oven cannot be used until it is unlocked. To unlock it, repeat step 1 above.

## COOKING UTENSILS

### Recommended use

- **Glass and glass-ceramic bowls and dishes** - Use for heating or cooking.
- **Microwavable browning dish** - Use to brown the exterior of small items such as steaks, chops, or pancakes. Follow the directions provided with your browning dish.
- **Microwavable plastic wrap** - Use to retain steam. Leave a small opening for some steam to escape and avoid placing it directly on the food.
- **Wax paper** - Use as a cover to prevent spattering.
- **Paper towels and napkins** - Use for short-term heating and covering; they absorb excess moisture and prevent spattering. Do not use recycled paper towels, which may contain metal and can catch fire.
- **Paper plates and cups** - Use for short-term heating at low temperatures. Do not use recycled paper, which may contain metal and can catch fire.
- **Thermometers** - Use only those labeled “Microwave Safe” and follow all directions. Check the food in several places. Conventional thermometers may be used once the food has been removed from the oven.

### Limited use

- **Aluminum foil** - Use narrow strips of foil to prevent overcooking of exposed areas. Using too much foil can damage your oven, so be careful.
- **Ceramic, porcelain, and stoneware** - Use these if they are labeled “Microwave Safe”. If they are not labeled, test them to make sure they can be used safely. Never use dishes with metallic trim.
- **Plastic** - Use only if labeled “Microwave Safe”. Other plastics can melt.
- **Straw, wicker, and wood** - Use only for short-term heating, as they can be flammable.

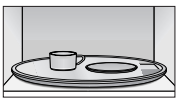
### Not recommended

- **Glass jars and bottles** - Regular glass is too thin to be used in a microwave, and can shatter.
- **Paper bags** - These are a fire hazard, except for popcorn bags that are designed for microwave use.
- **Styrofoam plates and cups** - These can melt and leave an unhealthy residue on food.
- **Plastic storage and food containers** - Containers such as margarine tubs can melt in the microwave.
- **Metal utensils** - These can damage your oven. Remove all metal before cooking.

### Testing utensils

If you are not sure whether a dish is microwave-safe or not, you can perform this test:

1. Fill a 1 cup glass measuring cup with water and put it inside your oven, next to the dish you want to test.



2. Press the **One Minute+** button once to heat them for one minute at High power.
   The water should be warm and the dish you are testing should be cool. If the dish is warm, then it is absorbing microwave energy and is not acceptable for use in the microwave.

## COOKING TECHNIQUES

### Not recommended

#### Stirring

Stir foods such as casseroles and vegetables while cooking to distribute heat evenly. Food at the outside of the dish absorbs more energy and heats more quickly, so stir from the outside to the center. The oven will turn off when you open the door to stir your food.

#### Arrangement

Arrange unevenly shaped foods, such as chicken pieces or chops, with the thicker, meatier parts toward the outside of the turntable where they receive more microwave energy. To prevent overcooking, place thin or delicate parts toward the center of the turntable.

#### Shielding

Shield food with narrow strips of aluminum foil to prevent overcooking. Areas that need shielding include poultry wing-tips, the ends of poultry legs, and corners of square baking dishes. Use only small amounts of aluminum foil. Larger amounts can damage your oven.

#### Turning

Turn foods over midway through cooking to expose all parts to microwave energy. This is especially important with large items such as roasts.

#### Standing

Foods cooked in the microwave build up internal heat and continue to cook for a few minutes after the oven stops. Let foods stand to complete cooking, especially foods such as roasts and whole vegetables. Roasts need this time to complete cooking in the center without overcooking the outer areas. All liquids, such as soup or hot chocolate, should be shaken or stirred when cooking is complete. Let liquids stand a moment before serving. When heating baby food, stir well and test the temperature before serving.

#### Adding moisture

Microwave energy is attracted to water molecules. Food that is uneven in moisture content should be covered or allowed to stand so that the heat disperses evenly. Add a small amount of water to dry food to help it cook.

#### General tips

- Dense foods, such as potatoes, take longer to heat than lighter foods. Foods with a delicate texture should be heated at a low power level to avoid becoming tough.
- Altitude and the type of cookware you are using can affect cooking time. When using a new recipe, use the minimum cooking time and check the food occasionally to prevent overcooking.
- Foods with a non-porous skin such as potatoes or hot dogs, should be pierced to prevent bursting.
- Frying with heating oil or fat is not recommended. Fat and oil can suddenly boil over and cause severe burns.
- Some ingredients heat faster than others. For example, the jelly inside a jelly doughnut will be hotter than the dough. Keep this in mind to avoid burns.
- Home canning in the microwave oven is not recommended because all harmful bacteria may not be destroyed by the microwave heating process.
- Although microwaves do not heat the cookware, the heat from the food is often transferred to the cookware. Always use pot holders when removing food from the microwave and instruct children to do the same.
- Making candy in the microwave is not recommended as candy can heat to very high temperatures. Keep this in mind to avoid injury.

## Auto sensor cook

The Auto Sensor allows you to cook your food automatically by detecting the amount of moistures generated from the food while cooking.

- When cooking food, many kinds of moistures are generated. The Auto Sensor determines the proper time and power level by detecting these moistures from the food, eliminating the need to set the cooking time and power level.
- When you cover a container with its lid or plastic wrap during Sensor Cooking, the Auto Sensor will detect the moistures generated after the container has been saturated with steam.
- Shortly before cooking ends, the remaining cooking time will begin its count down. This will be a good time for you to rotate or stir the food for even cooking if it is necessary.
- Before auto sensor cooking food may be seasoned with herbs, spices or browning sauces. A word of caution though, salt or sugar may cause burn spots on food so these ingredients should be added after cooking.
- The More/Less function pad is used to increase or decrease cooking time. You should use this function to adjust the degree of cooking to suit your personal taste.

## Utensils & cover for sensor cooking

- To obtain good cooking results with this function, follow the directions for selecting appropriate containers and covers in the charts in this book.
- Always use microwave-safe containers and cover them with their lids or with plastic wrap. When using plastic wrap, turn back one corner to allow steam to escape at the proper rate.
- Always cover with the lid intended for the utensil being used. If the utensil does not have its own lid, use plastic wrap.
- Fill containers at least half full.
- Foods that require stirring or rotating should be stirred or turned toward the end of the Sensor Cook cycle, after the time has started to count down on the display.

## Important

- It its not advisable to use the auto sensor cooking feature on a continuous cooking operation, i.e. one cooking operation immediately after another.
- Install the oven in a well ventilated location for proper cooling and airflow and to ensure the sensor will operate accurately.
- To avoid poor results, do not use the Auto sensor when the room ambient temperature is too high or too low.
- Do not use volatile detergent to clean your oven. Moisture resulting from this detergent may affect the sensor.
- Avoid placing the oven near high moisture or gas emitting appliances, since this will interfere with the proper performance of the Auto Sensor.
- Always keep the inside of the oven clean. Wipe all spills with a damp cloth.
- This oven is designed for household use only.

## COOKING GUIDE

### Guide for cooking meat in your microwave

- Place meat on a microwave-safe roasting rack in a microwave-safe dish.
- Start meat fat-side down. Use narrow strips of aluminum foil to shield any bone tips or thin meat areas.
- Check the temperature in several places before letting the meat stand the recommended time.
- The following temperatures are removal temperatures. The temperature of the food will rise during the standing time.

| Food | Cook time / Power level | Directions |
|---|---|---|
| **Roast beef boneless**<br>Up to 4 lbs. | **Cooking Time:**<br>10-14 min. / 0.5 kg for 50 °C - Rare<br>11-15 min. / 0.5 kg for 55 °C - Medium<br>12-17 min. / 0.5 kg for 65 °C - Well done<br>**Power Level:**<br>High (0) for first 5 min., then Medium (5). | Place roast fat-side down on roasting rack. Cover with wax paper. Turn over when cooking time is half up. Let stand 10 min.. |
| **Pork boneless or bone-in**<br>Up to 4 lbs. | **Cooking Time:**<br>14-18 min. / 0.5 kg for 70 °C Well done<br>**Power Level:**<br>High (0) for first 5 min., then Medium (5). | Place roast fat-side down on roasting rack. Cover with vented plastic wrap. Turn over when cooking time is half up. Let stand 10 min.. |

### Guide for cooking poultry in your microwave

- Place poultry on a microwave-safe roasting rack in a microwave-safe dish.
- Cover poultry with wax paper to prevent spattering.
- Use aluminum foil to shield bone tips, thin meat areas, or areas that start to overcook.
- Check the temperature in several places before letting the poultry stand the recommended time.

| Food | Cook time / Power level | Directions |
|---|---|---|
| **Whole Chicken**<br>Up to 4 lbs. | **Cooking Time:**<br>10-13 min. / 0.5kg 80 °C<br>**Power Level:**<br>Medium High (7). | Place chicken breast-side down on roasting rack. Cover with wax paper. Turn over when the cooking time is half up. Cook until juices run clear and meat near the bone is no longer pink. Let stand 5-10 min.. |
| **Chicken Pieces**<br>Up to 2 lbs. | **Cooking Time:**<br>10-13 min. / 0.5kg<br>80 °C dark meat<br>75 °C light meat<br>**Power Level:**<br>Medium High (7). | Place chicken bone-side down on dish, with the thickest portions towards the outside of the dish. Cover with wax paper. Turn over when the cooking time is half up. Cook until juices run clear and meat near the bone is no longer pink. Let stand 5-10 min.. |

## Guide for cooking seafood in your microwave

- Cook fish until it flakes easily with a fork.
- Place fish on a microwave-safe roasting rack in a microwave-safe dish.
- Use a tight cover to steam fish. A lighter cover of wax paper or paper towel provides less steaming.
- Do not overcook fish; check it at minimum cooking time.

| Food | Cook time / Power level | Directions |
|---|---|---|
| **Steaks**<br>Up to 0.7 kg | **Cooking Time:**<br>9-13 min. / 0.5 kg<br>**Power Level:**<br>Medium-High (7). | Arrange steaks on roasting rack with meaty portions towards the outside of rack. Cover with wax paper. Turn over and rearrange when cooking time is half up. Cook until fish flakes easily with a fork. Let stand 3-5 min.. |
| **Fillets**<br>Up to 0.7 kg | **Cooking Time:**<br>6-10 min. / 0.5 kg<br>**Power Level:**<br>Medium-High (7). | Arrange fillets in a baking dish, turning any thin pieces under Cover with wax paper. If over ½ inch thick, turn over and rearrange when cooking time is half up. Cook until fish flakes easily with a fork. Let stand 2-3 min.. |
| **Shrimp**<br>Up to 0.7 kg | **Cooking Time:**<br>6-8 min. / 0.5 kg<br>**Power Level:**<br>Medium-High (7). | Arrange shrimp in a baking dish without overlapping or layering. Cover with wax paper. Cook until firm and opaque, stirring 2 or 3 times. Let stand 5 min.. |

## Cooking eggs in your microwave

- Never cook eggs in the shell, and never warm hard-cooked eggs in the shell; they can explode.
- Always pierce whole eggs to keep them from bursting.
- Cook eggs just until set; they become tough if overcooked.

## Guide for cooking vegetables in your microwave

- Vegetables should be washed just before cooking. Often, no extra water is needed. If dense vegetables such as potatoes, carrots and green beans are being cooked, add about ¼ cup water.
- Small vegetables (sliced carrots, peas, lima beans, etc.) will cook faster than larger ones.
- Whole vegetables, such as potatoes, acorn squash or corn on the cob, should be arranged in a circle on the turntable before cooking. They will cook more evenly if turned over after half the cooking time.
- Always place vegetables like asparagus and broccoli with the stem ends pointing towards the edge of the dish and the tips toward the center.
- When cooking cut vegetables, always cover the dish with a lid or vented microwavable plastic wrap.
- Whole, unpeeled vegetables such as potatoes, squash, eggplant, etc., should have their skin pricked in several spots before cooking to prevent them from bursting.
- For more even cooking, stir or rearrange whole vegetables halfway through the cooking time.
- Generally, the denser the food, the longer the standing time. (Standing time refers to the time necessary for dense, large foods and vegetables to finish cooking after they come out of the oven.) A baked potato can stand on the counter for five minutes before cooking is completed, while a dish of peas can be served immediately.

## AUTO DEFROSTING GUIDE

Follow the instructions below when defrosting different types of food.

| Code | Item | Weight | Initial temperature | Remarks |
|---|---|---|---|---|
| 1 | Meat | 0.1-2 kg | 20-60 mins | Shield the sdges with aluminium foil. Turn the meat over, when the over beeps. This programme is suitable for beef, lamb, pork, steaks, chops, minced meat. |
| 2 | Poultry | 0.1-2 kg | 20-60 mins | Shield the leg and wing tios with aluminium foil. Turn the poultry over, when the oven beeps. This programme is suitable for whole shicken as well as for chicken portions. |
| 3 | Fish | 0.1-2 kg | 20-50 mins | Shield the tail of a whole fish with aluminium foil. Turn the fish over, when the oven beeps. This programme is suitable for whole fishes as well as for fish fillets. |
| 4 | Sea food | 0.1-2 kg | 20-50 mins | Shield the tail of a whole fish with aluminium foil. Turn the fish over, when the oven beeps. This programme is suitable for shrimp, prawn shell fish, clarn. |
| 5 | Bread cake | 0.1-0.7 kg | 5-30 mins | Put bread on a piece of kitchen paper and turn over, as soon as the oven beeps. Place cake on a ceramic plate and if possible, turn over, as soon as the oven beeps. (Oven keeps operating and is stoppde, when you open the door.)<br>This programme is suitable for all kinds of bread, slicde or whole, as well as for bread rolls and baguettes. Arrange bread rolls in a circle.<br>This programme is suitable for all kinds of yeast cake, biscuit, cheese cake and puff pastry. It is not suitable for short/crust pastry, fruit and cream cakes as well as for cake with chocolate topping. |

Check foods when the oven signals. After the final stage, small sections may still be icy; let them stand to continue thawing. Do not defrost until all ice crystals have thawed. Shielding roasts and steaks with small pieces of foil prevents the edges from cooking before the center of the food has defrosted. Use narrow, flat, smooth strips of aluminum foil to cover the edges and thinner sections of the food.

## RECIPES

### Beef and barley stew

675 g beef stew cubes, cut into ½ inch pieces
½ cup chopped onion
2 Tbs. all-purpose flour
1 Tbs Worcestershire sauce
1 can (380-405 g) beef broth
2 medium carrots, cut into ½-inch slices (about 1 cup)
½ cup barley
1 bay leaf
¼ tsp. pepper
1 pkg. (250-280 g) frozen peas, thawed

1. In a 2-quart casserole, combine beef, onion, flour, and Worcestershire; mix well. Cover with lid. Cook at High (0) for 10 to 12 minutes until beef is no longer pink, stirring once.
2. Stir in beef broth, carrots, barley, bay leaf, and pepper. Cover with lid. Cook at Medium for 1 to 1½ hours until carrots and beef are tender, stirring 2 to 3 times.
3. Stir in peas. Cover with lid. Cook at Medium for 10 minutes. Let stand for 10 minutes. Remove bay leaf before serving.
   **Makes 6 servings.**

### Broccoli and cheese casserole

¼ cup butter or margarine
¼ cup chopped onion
1½ Tbs. flour
½ tsp. salt
¼ tsp. dry mustard
⅛ tsp. pepper
1½ cups milk
¼ cup chopped red pepper
225 g (2 cups) cheddar cheese, shredded
1 pkg. (250-280 g) frozen chopped broccoli, thawed
4 cups cooked spiral shaped pasta (225 g dry)

1. In a 2-quart casserole, cook butter and onion at High (0) for 2 to 3 minutes until onion is soft, stirring once.
2. Add flour, salt, mustard, and pepper; mix well. Cook at High (0) for (1 to 2 minutes) seconds until mixture boils. Stir in milk until smooth.
3. Stir in red pepper. Cook at High (0) for 3 to 5 minutes until mixture boils and thickens slightly, stirring twice. Stir in cheese until melted.
4. Add broccoli and pasta, mix well. Cover with lid. Cook at High (0) for 6 to 8 minutes until heated through, stirring once. Stir before serving.
   **Makes 6 servings.**

## Warm potato salad

900 g small red potatoes, cut into ½-inch pieces
4 slices bacon (uncooked), cut into ½-inch pieces
¼ cup chopped onion
2 tsp. sugar
1 tsp. salt
1 tsp. flour
½ tsp. celery seed
⅛ tsp. pepper
2½ Tbs. apple cider vinegar

1. In a 2-quart casserole, combine potatoes and ¼ cup water. Cover with lid. Cook at High (0) until potatoes are tender (10-13 min.); stir twice. Drain and set aside to cool slightly.
2. In a medium bowl, cook bacon at High (0) until crisp (3-4 min.); stir once. Place bacon on a paper towel. Reserve 1 Tbs. drippings.
3. Combine drippings and onion. Cover with plastic wrap; turn back a corner to vent steam. Cook at High (0) until tender (2-3 min.); stir once.
4. Stir in sugar, salt, flour, celery seed, and pepper. Cook at High (0) until mixture boils (30-40 sec.). Stir in vinegar and ½ cup water. Cook at High (0) until liquid boils and thickens slightly (2-3 min.); stir once. Add bacon to dressing. Pour dressing over potatoes. Stir well.
   **Makes 6 servings.**

## Black bean soup

1 cup chopped onion
1 clove garlic, minced
2 cans (420 g each) black beans, drained
1 can (390-450 g) stewed tomatoes, chopped
1 can (385-405 g) chicken broth
1 can (195-240 g) corn
1 can (110 g) chopped green chilies
1-2 tsp. ground cumin, or to taste

1. Place onion and garlic in a 3-quart casserole. Cover with lid. Cook at High (0) for 3 to 5 minutes until tender.
2. Add one can of beans, mash beans with a fork. Add remaining ingredients; mix well.
3. Cook uncovered, at High (0) for 15 minutes; stir. Reduce power to Medium and cook for 5 minutes. Stir before serving.
   **Makes about 2 quarts.**

## TROUBLESHOOTING GUIDE

Before you call a repair person for your oven, check this list of possible problems and solutions.

**Neither the oven's display nor the oven operate.**

- Properly insert the plug into a grounded outlet.
- If the outlet is controlled by a wall switch, make sure the wall switch is turned on.
- Remove the plug from the outlet, wait ten seconds, then plug it in again.
- Reset the circuit breaker or replace any blown fuse.
- Plug another appliance into the outlet; if the other appliance doesn't work, have a qualified electrician repair the outlet.
- Plug the oven into a different outlet.

**The oven's display works, but the power won't come on.**

- Make sure the door is closed securely.
- Check to see if packing material or other material is stuck to the door seal.
- Check for door damage.
- Press Cancel twice and re-enter all cooking instructions.

**The power goes off before the set time has elapsed.**

- If there has not been a power outage, remove the plug from the outlet, wait ten seconds, then plug it in again. If there was a power outage, the time indicator will display "88:88" Reset the clock and any cooking instructions.
- Reset the circuit breaker or replace any blown fuse.

**The food is cooking too slowly.**

- Make sure the oven is on its own 12A amp circuit line. Operating another appliance on the same circuit can cause a voltage drop. If necessary, move the oven to its own circuit.

**You see sparks or arcing.**

- Remove any metallic utensils, cookware, or metal ties. If using foil, use only narrow strips and allow at least one inch between the foil and interior oven walls.

**The turntable makes noises or sticks.**

- Clean the turntable, roller ring and oven floor.
- Make sure the turntable and roller ring are positioned correctly.

**Using your microwave causes TV or radio interference.**

- This is similar to the interference caused by other small appliances, such as hair dryers. Move your microwave further away from other appliances, like your TV or radio.

## CARE AND CLEANING

- Follow these instructions to clean and care for your oven.
- Keep the inside of the oven clean. Food particles and spilled liquids can stick to the oven walls, causing the oven to work less efficiently.
- Wipe up spills immediately. Use a damp cloth and mild soap. Do not use harsh detergents or abrasives.
- To help loosen baked on food particles or liquids, heat two cups of water (add the juice of one lemon if you desire to keep the oven fresh) in a four-cup measuring glass at **High** power for five minutes or until boiling. Let stand in the oven for one or two minutes.
- Remove the glass tray from the oven when cleaning the oven or tray. To prevent the tray from breaking, handle it carefully and do not put it in water immediately after cooking. Wash the tray carefully in warm sudsy water or in the dishwasher.
- Clean the outside surface of the oven with soap and a damp cloth. Dry with a soft cloth. To prevent damage to the operating parts of the oven, don't let water seep into the openings.
- Wash the door window with very mild soap and water. Be sure to use a soft cloth to avoid scratching.
- If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when operating the oven in high humidity and in no way indicates microwave leakage.
- Never operate the oven without food in it; this can damage the magnetron tube or glass tray. You may wish to leave a cup of water in the oven when it is not in use to prevent damage if the oven is accidentally turned on.

## ERROR MESSAGE

- If "E-42" and "E-45" are displayed, please let oven cool for at least 5 minutes. If these messages are displayed frequently, please call our service line.
- If you open the door on the way to sensing, "E-47" will be displayed.
- If "E-41" is displayed, please call our service line immediately.

**If you have a problem you cannot solve, Contact your local dealer or SAMSUNG after - sales service**

## SPECIFICATIONS

| MODEL | MW0113MAB/MW0113MB |
|---|---|
| Oven cavity | 1.1 cu.ft |
| Controls | 10 power levels, including defrost |
| Timer | 99 minutes, 99 seconds |
| Power source | 240 V ~ 50 Hz |
| Power consumption microwave | 1550 Watts |
| Power output | 1000 Watts (IEC-705) |
| Operating frequency | 2450 MHz |
| Outside dimensions | 518 (W) X 297 (H) X 386 (D) |
| Oven cavity dimensions | 334 (W) X 252.5 (H) X 357.5 (D) |
| Weight net | 13.5 kg |

QUESTIONS OR COMMENTS

| COUNTRY | CALL | OR VISIT US ONLINE AT |
|---|---|---|
| AUSTRALIA | 1300-362-603 | www.samsung.com |
| NEW ZEALAND | 0800-SAMSUNG (0800-726-786) | |
| CHINA | 400-810-5858<br>010-6475-1880 | |
| HONG KONG | (852) 3698-4698 | www.samsung.com/hk<br>www.samsung.com/hk_en/ |
| INDIA | 3030-8282<br>1800-110011<br>1800-3000-8282<br>1800-266-8282 | www.samsung.com |
| INDONESIA | 0800-112-8888<br>021-5699-7777 | |
| JAPAN | 0120-327-527 | |
| MALAYSIA | 1800-88-9999 | |
| PHILIPPINES | 1-800-10-SAMSUNG (726-7864)<br>1-800-3-SAMSUNG (726-7864)<br>1-800-8-SAMSUNG (726-7864)<br>02-5805777 | |
| SINGAPORE | 1800-SAMSUNG(726-7864) | |
| THAILAND | 1800-29-3232<br>02-689-3232 | |
| TAIWAN | 0800-329-999 | |
| VIETNAM | 1-800-588-889 | |

Code No.: DE68-03752G